

## PROJECT/DESCRIPTION \_\_\_\_\_

### 100%/P.S.&E. HIGHWAY DESIGN REVIEW CHECKLIST

#### PURPOSE

The purpose of the 100% review is to ensure that all comments from the 75% review have been satisfactorily addressed. The review also provides an opportunity to ensure that a complete contract package will be available for bidding and construction purposes.

#### GENERAL

The submittal shall include responses to 75% review comments; completed plans, special provisions and estimate and detail sheets.

Any question listed below with a NO (N) answer will require a written comment.

#### Y N NA 1.00 RESPONSE TO COMMENTS

- 1.01 ☐ ☐ ☐ Have all comments from the 75% review been addressed?

Comment: \_\_\_\_\_

#### PLANS

#### Y N NA 2.00 Title Sheet

- 2.01 ☐ ☐ ☐ Is the Title Sheet prepared consistent with Figure 2-8 & 2-8a?

Comment: \_\_\_\_\_

- ☐ ☐ ☐ Are the latest documents referenced on the title sheet?

- 2.02 Comment: \_\_\_\_\_

#### Y N NA 3.00 Typical Sections

- 3.01 ☐ ☐ ☐ All proposed materials should be labeled on the Typical Sections. Are the material descriptions identical to the STANDARD NOMENCLATURE AND LIST OF STANDARD ITEMS or the material description in the STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES (STD. SPECS)?

Comment: \_\_\_\_\_

#### Y N NA 4.00 Construction Drawings

- 4.01 ☐ ☐ ☐ Is the disposition of all existing and proposed features located within the limits of work labeled?

Comment: \_\_\_\_\_

**PROJECT/DESCRIPTION****100%/P.S.&E. HIGHWAY DESIGN REVIEW CHECKLIST****5.00 SPECIAL PROVISIONS**

Special provisions should only be written when absolutely necessary to address a project specific issue that is not satisfactorily addressed in the STD. SPECS. and SUPPLEMENTAL SPECIFICATIONS, or if the item has an asterisk in the STANDARD NOMENCLATURE. If a special provision is absolutely necessary, particular attention should be paid to the basis of payment and method of measurement.

- |      | Y                        | N                        | NA                       |   |
|------|--------------------------|--------------------------|--------------------------|---|
| 5.01 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is an adequate Scope of Work provided?  |
|      | Comment: _____           |                          |                          |   |
| 5.02 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are all the latest manuals, supplemental manuals and other documents that are to be part of the contract by reference, listed?  |
|      | Comment: _____           |                          |                          |   |
| 5.03 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | If the project requires specific information relative to lane closures and traffic management is the information concisely conveyed as a supplement to subsection 7.09 Public Safety and Convenience? |
|      | Comment: _____           |                          |                          |   |
| 5.04 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is a complete list of affected utility companies included as a supplement to subsection 7.13 Protection and Restoration of Property?  |
|      | Comment: _____           |                          |                          |   |
| 5.05 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is (are) the available workshift(s) described as a supplement to Subsection 8.02 Schedule of Operations?  |
|      | Comment: _____           |                          |                          |   |
| 5.06 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Do all items contained in the estimate with an asterisk in the STANDARD NOMENCLATURE have a special provision?  |
|      | Comment: _____           |                          |                          |   |
| 5.07 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are all item descriptions and units contained in the special provisions consistent with the estimate (and Standard Nomenclature if applicable)?   |
|      | Comment: _____           |                          |                          |   |
| 5.08 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Do all special provisions include a very specific, unambiguous, method of measurement and basis of payment that will eliminate the potential for disputes during construction?                        |
|      | Comment: _____           |                          |                          |   |
| 5.09 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the location for items to be removed and stacked clearly identified?   |
|      | Comment: _____           |                          |                          |   |

**Y N NA 6.00 ESTIMATE**

- |      |                          |                          |                          |   |
|------|--------------------------|--------------------------|--------------------------|---|
| 6.01 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the methodology used to estimate the project consistent with the STD. SPECS. and the latest SUPPLEMENTAL SPECIFICATIONS? |
|      | Comment: _____           |                          |                          |   |
| 6.02 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Does every item of work shown on the plans have an associated pay item?   |
|      | Comment: _____           |                          |                          |   |
| 6.03 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Do the unit prices reflect the latest pricing trends?   |
|      | Comment: _____           |                          |                          |   |

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- 6.04 ☐ ☐ ☐ Do the unit prices reflect the magnitude of the quantity of work vs. mobilization/set up costs? (e.g. 100 Tons of ITEM 460. on a bridge replacement project will cost significantly more than 100,000 Tons on an Interstate resurfacing project)

Comment: \_\_\_\_\_

**Y N NA 7.00 DETAIL SHEETS**

- 7.01 ☐ ☐ ☐ Do the Earthwork quantities on the PRELIMINARY ESTIMATE OF QUANTITIES - DETAIL SHEET (page 13.14.0) correspond with those noted on the Summary Quantity Sheet?

Comment: \_\_\_\_\_

- 7.02 ☐ ☐ ☐ Does the pavement structure on the PRELIMINARY ESTIMATE OF QUANTITIES - DETAIL SHEET correspond with the Typical Sections?

Comment: \_\_\_\_\_

- 7.03 ☐ ☐ ☐ Are all items not completely described and located on the plans adequately described?

Comment: \_\_\_\_\_

**Y N NA 8.00 CONCLUSIONS**

- 8.01 ☐ ☐ ☐ Have all the comments from the 75% review been satisfactorily addressed?

Comment: \_\_\_\_\_

- 8.02 ☐ ☐ ☐ Is the estimated total construction cost consistent with the TIP?

Comment: \_\_\_\_\_

- 8.03 ☐ ☐ ☐ Do the plans represent a project that is reasonable from a constructability standpoint with respect to construction techniques and available right of way?

Comment: \_\_\_\_\_

- 8.04 ☐ ☐ ☐ Does the estimate include all the items of work necessary to complete the project?

Comment: \_\_\_\_\_

- 8.05 ☐ ☐ ☐ Are the special provisions clear and unambiguous with well defined method of measurement and basis of payment?

Comment: \_\_\_\_\_